**Max Marks:20 Time: 3 hours**

**Module-3: Lab Assessment (Software Development)**

**Attempt any 4 questions.**

1. Create a nodejs/angular project in VS and integrate it with azure repo and perform git operations to reflect the changes in Azure repo.

2. Build a web app using Dockerfile and access the application at web browser with the homepage "Welcome <your-name> to Module-3 lab assessment"

Then push the image to Docker hub as "website V1.0".

Make the changes in homepage "Welcome <your-name> to Module-3 lab assessment 2.0"

and rebuild the image as "website V2.0" and push to Docker hub.

3. Build a multi-container application using Azure Kubernetes Service (AKS) and run it.

Also, scale the application to 5 number of instances and exhibit the behaviour of auto recovery in case some of the instances are down.

4. Create a sample project in Azure DevOps using demo generator and demonstrate the

concept of CI/CD by building the pipeline and deploy the application to Azure web app.

5. What is logic app? Create a logic app in Azure with an example to trigger an action

and send the notification using mail.